(d) what is the percentage of national expenditure on R & D allocated to the universities in 1991, 1992, 1993 and 1994; and

(e) what is the number of scientific and technical persons registered with the employment exchanges and the estimated number not registered but unemployed each year from 1991 to 1994 ?

THE MINISTER OF STATE IN PRIME MINISTER'S OFFICE AND MINISTER OF STATE IN DEPARTMENTS OF ATOMIC ENERGY AND SPACE AND MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY (SHRI BHUVNESH CHATURVEDI) : (a) the percentage growth of the expenditure on R & D at constant prices from 1990-91 to 1992-93 was 1.5%;

(b) the expenditure on R & D as a percentage of GNP during the years 1990-91, 1991-92 and 1992-93 was 0.85%, 0.84% and 0.83% respectively;

(c) the share of national R & D expenditure by Central Government, State Governments, public sector and private sector was 64.3%, 9.3%, 11.4% and 15% respectively during the year 1992-93;

(d) As reported by University Grants Commission, the R & D expenditure as percentage of national R & D expenditure during 1991-92, 1992-93 and 1993-94 was 1.89%, 1.43% and 1.55% respectively;

(e) the number of scientific and technical persons on the live register of employment exchanges maintained by the Directorate General of Employment & Training (Ministry of Labour) during 1990, 1991, 1992 were 890892, 949900 and 958300 respectively.

India's Entry Into Satellite launch Market

2717. SHRI KRISHNA KUMAR BIRLA : Will the PRIME MINISTER be pleased to state :

(a) whether Government's attention has been drawn to the news-item captioned "India may enter satellite launch market" as reported in the Statesman dated the 16th October 1994;

(b) if so, whether Government have proposal to permit other countries to launch their satellite from Indian earth; and

(c) if so, the details thereof ?

THE MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE AND MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY AND MINISTER OF STATE IN THE DEPARTMENTS OF ATOMIC ENERGY AND SPACE : (SHRI BHUVNESH CHATURVEDI) : (a) Yes, Sir.

(b) and (c) Polar Satellite Launch Vehicle (PSLV) is in the developmental phase and will be ready for operational launch services both for internal needs and on commercial basis after the next successful developmental flight. PSLV can launch remote sensing satellites as well as low earth satellites for communication.

Involvement of International Spy network in the ISRO Espionage

2718. DR. BAPU KALADATE :
SHRIMATI KAMLA SINHA :
SHRI S. S. AHLUWALIA :

Will the PRIME MINISTER be pleased to state :

(a) whether it is a fact that an international spy network engaged in ferreting out confidential data, drawings and other informations about development in the field of space technology from Indian Space Research Organisation (ISRO) has come to light;

(b) if so, the details thereof ;

(c) whether it is a fact that involvement of several scientists of ISRO, besides a section of Police officials and members of trade and industry, in the spy network have been detected prima facie;

(d) if so, the levels of scientists and those of the Police officers ;

(e) the details of over-all security arrangements in vogue in ISRO and in the Atomic Research Centres for prevention of spying and espionage as well as for security of confidential data therein;

(f) the details of the measures taken to retrieve the situation from the damage inflicted upon India's space technology and missiles technology programmes; and

(g) whether CBI has been entrusted with the task of investigation into the spy network, if so, when, and the date when the spy activity was first exposed ?